

BIPV Sweden

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PV in Sweden (Task 1, IEA PVPS)

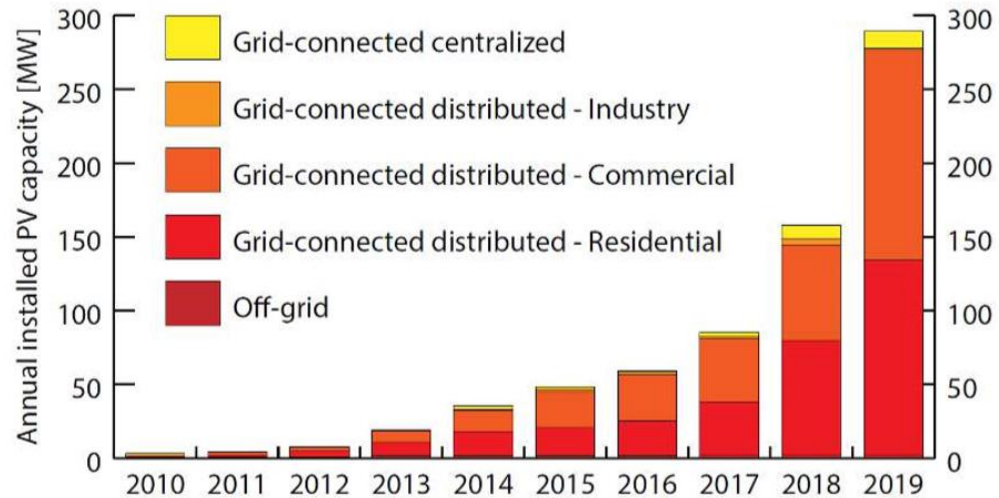


Figure 1: Annual installed PV capacity in Sweden.

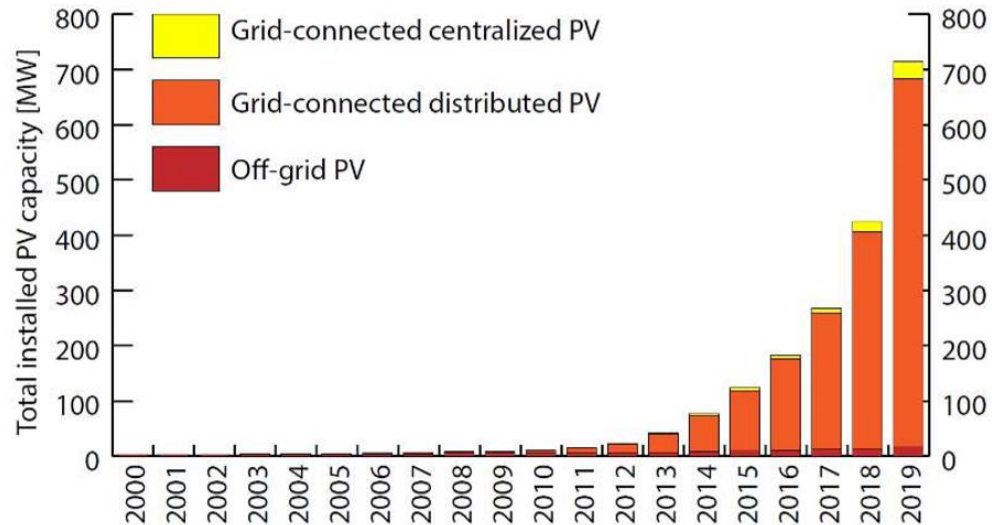


Figure 2: Total installed PV capacity in Sweden.

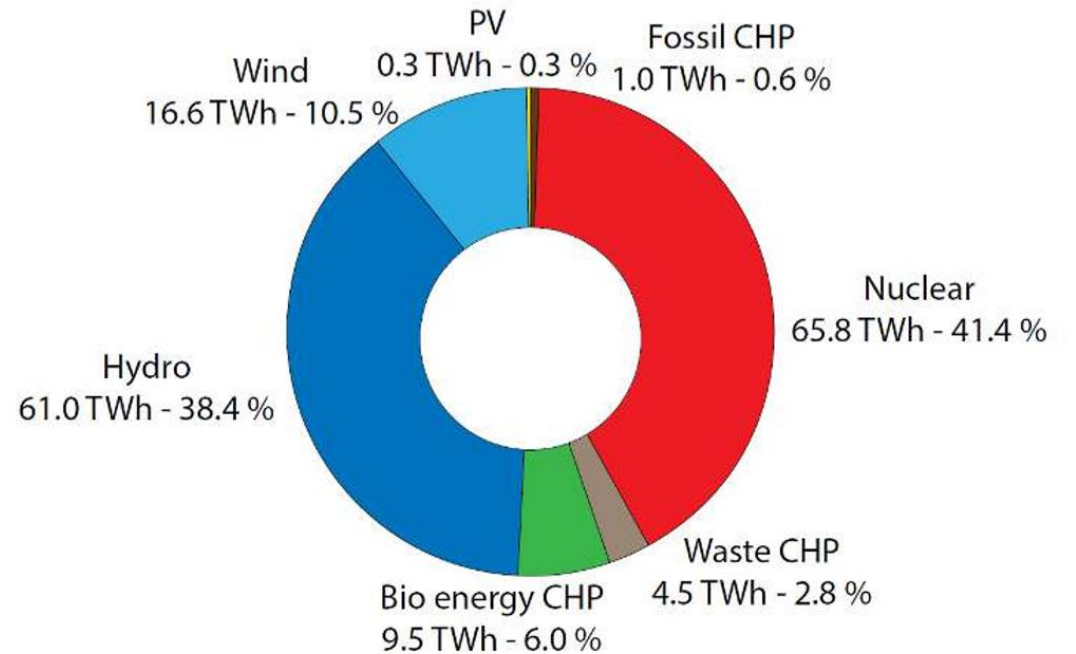


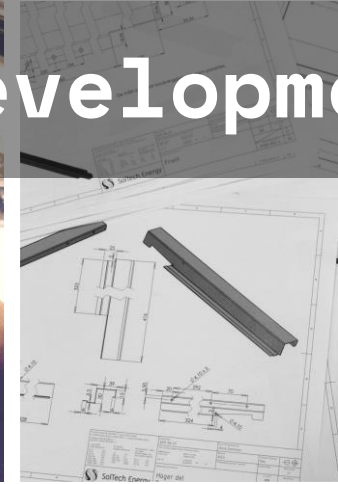
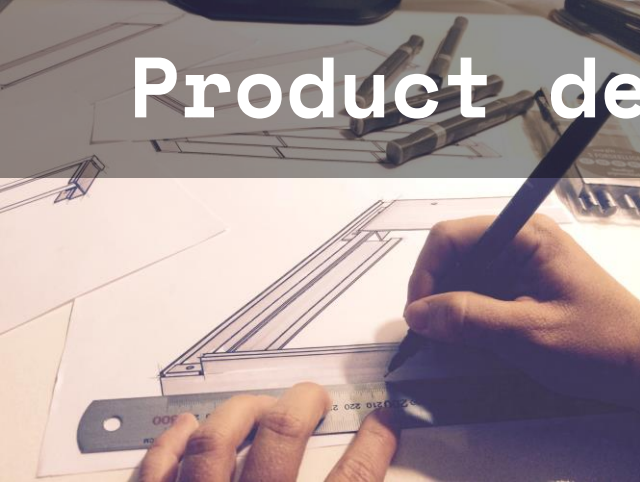
Figure 9: Total electricity production in Sweden in 2018.

Available to download at:
<https://iea-pvps.org/wp-content/uploads/2020/08/National-Survey-Report-of-PV-Power-Applications-in-Sweden-2019.pdf>

An aerial photograph of a city, likely Stockholm, Sweden, featuring a river, a large church spire, and various buildings. The image is overlaid with a semi-transparent blue gradient.

BIPV Product Development / BIPV Project Challenges

Product development



Product development BIPV Challenges

Challenges

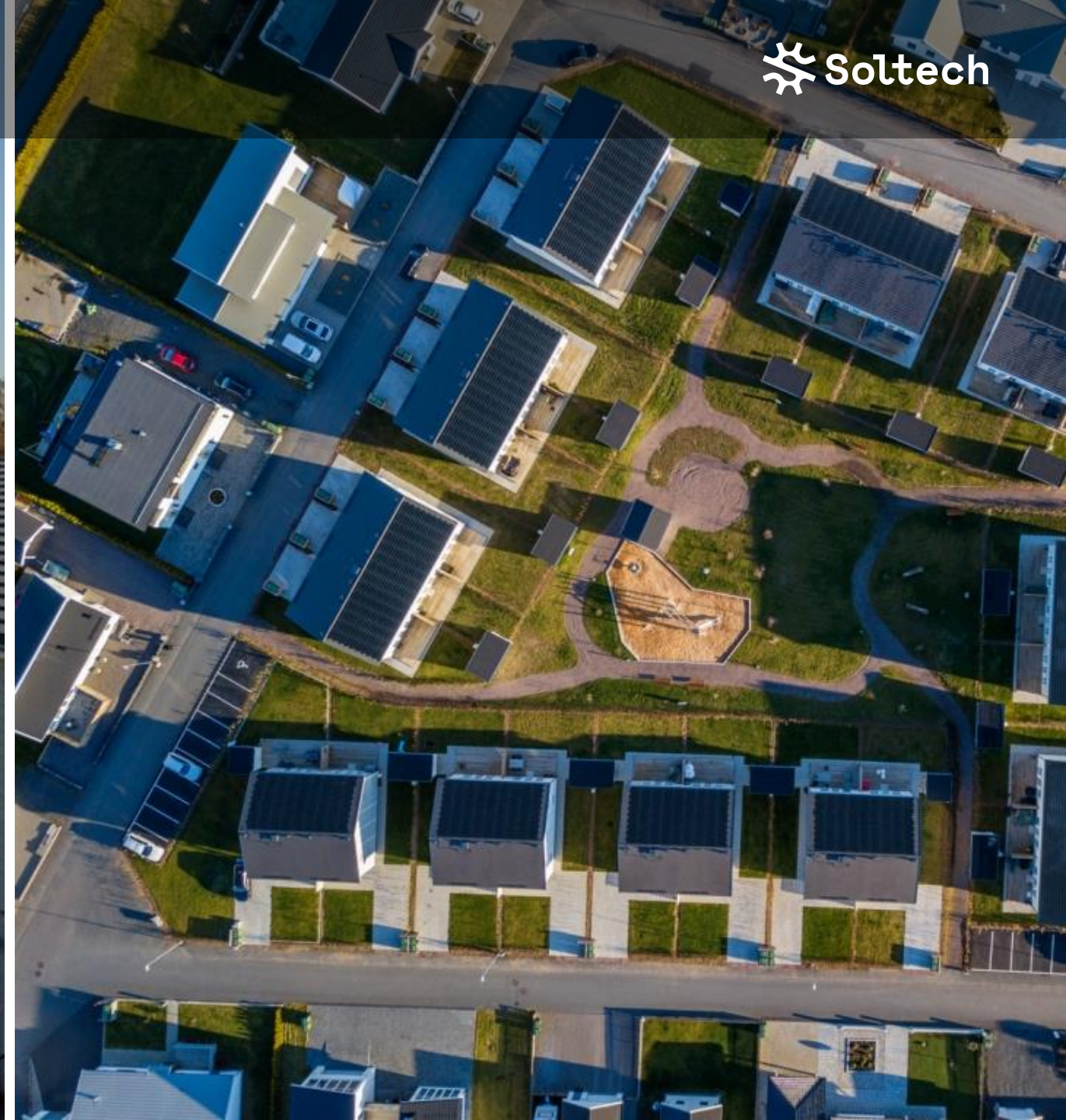
- Customer demands / pricing
- Design & Construction
- Finding Suppliers / Partners / Cooperation
- Validation / Standards / Testing / CE-marking

Our experiences...

Solar tiles & Solar Facades



Project in Jönköping



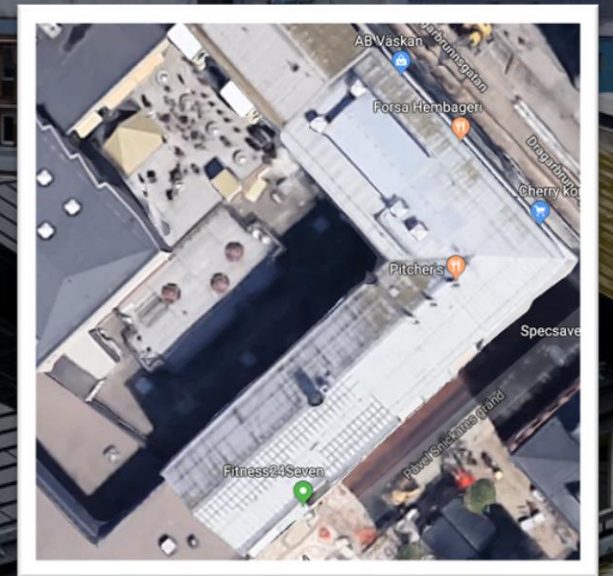
Project in Uppsala



Solar roof in Uppsala



- Had to replace roof – chose solar tiles instead of traditional sheet metal



2018, Vasakronan Uppsala

- Had to replace roof – chose solar tiles instead of traditional sheet metal
- With its central location, there are high fees for permits and barriers, making a major roof renovation expensive.
- Aesthetics was important
- What was unique?

Soltech ShingE1 – What is unique?



2018, Vasakronan Uppsala

Soltech ShingEl - In all directions?



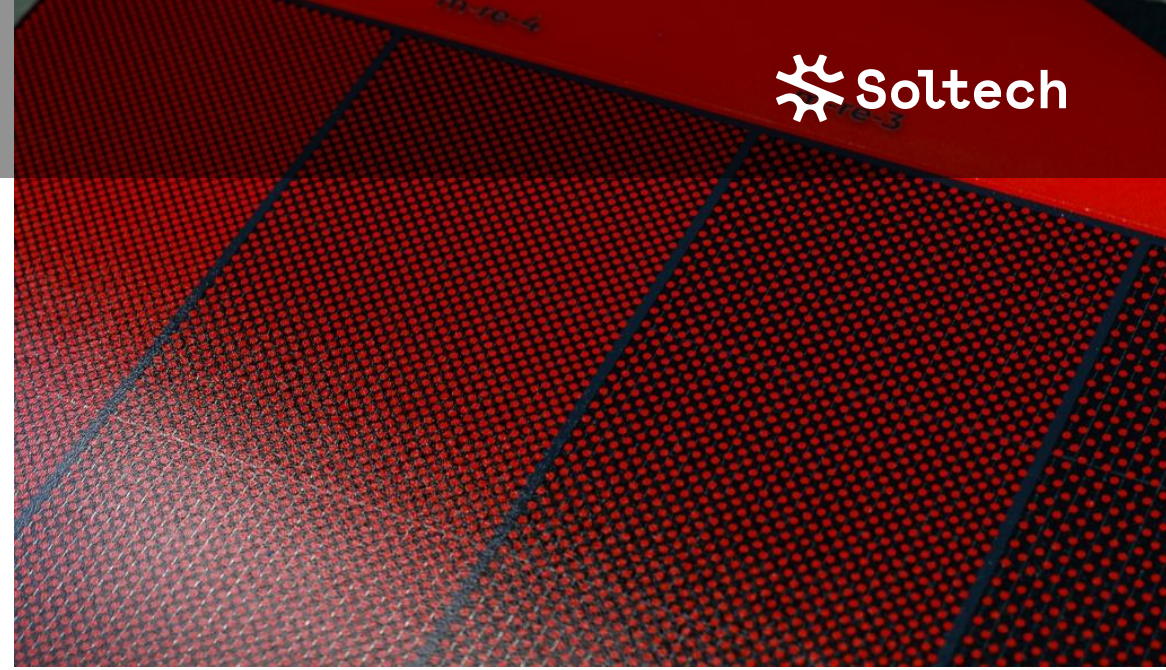
2018, Vasakronan Uppsala

Soltech roof + energy systems

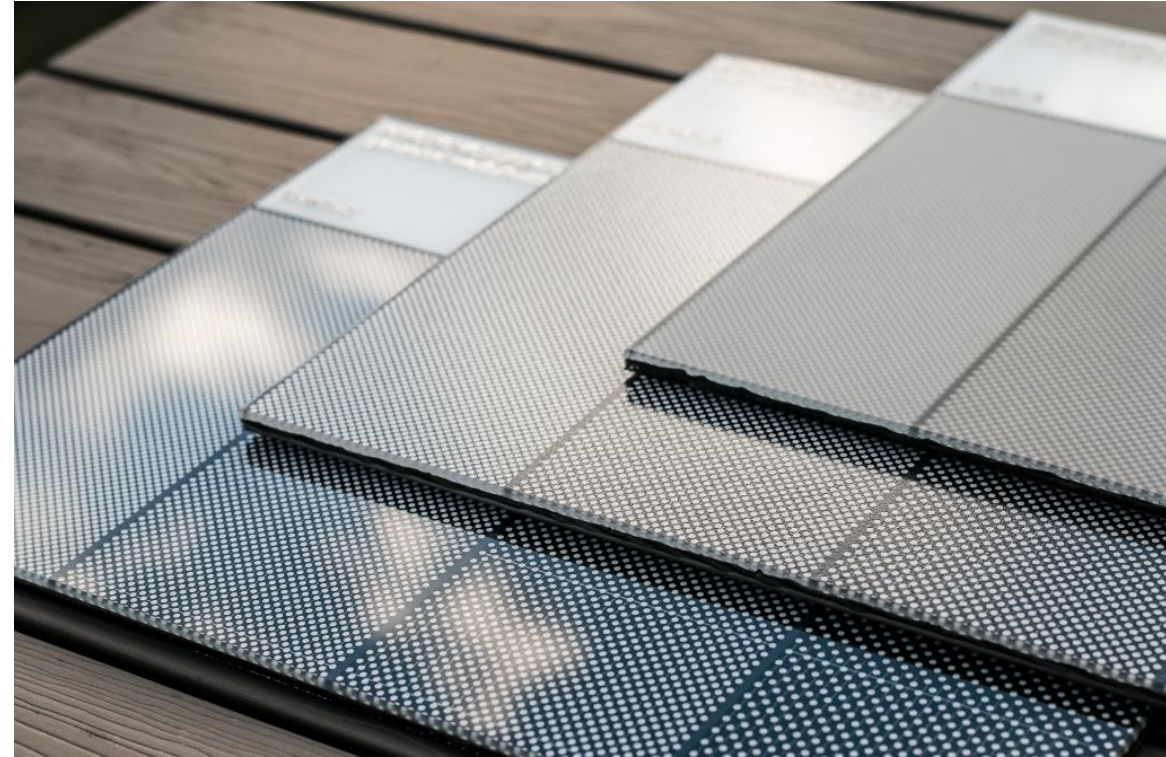


2018, Vasakronan Uppsala

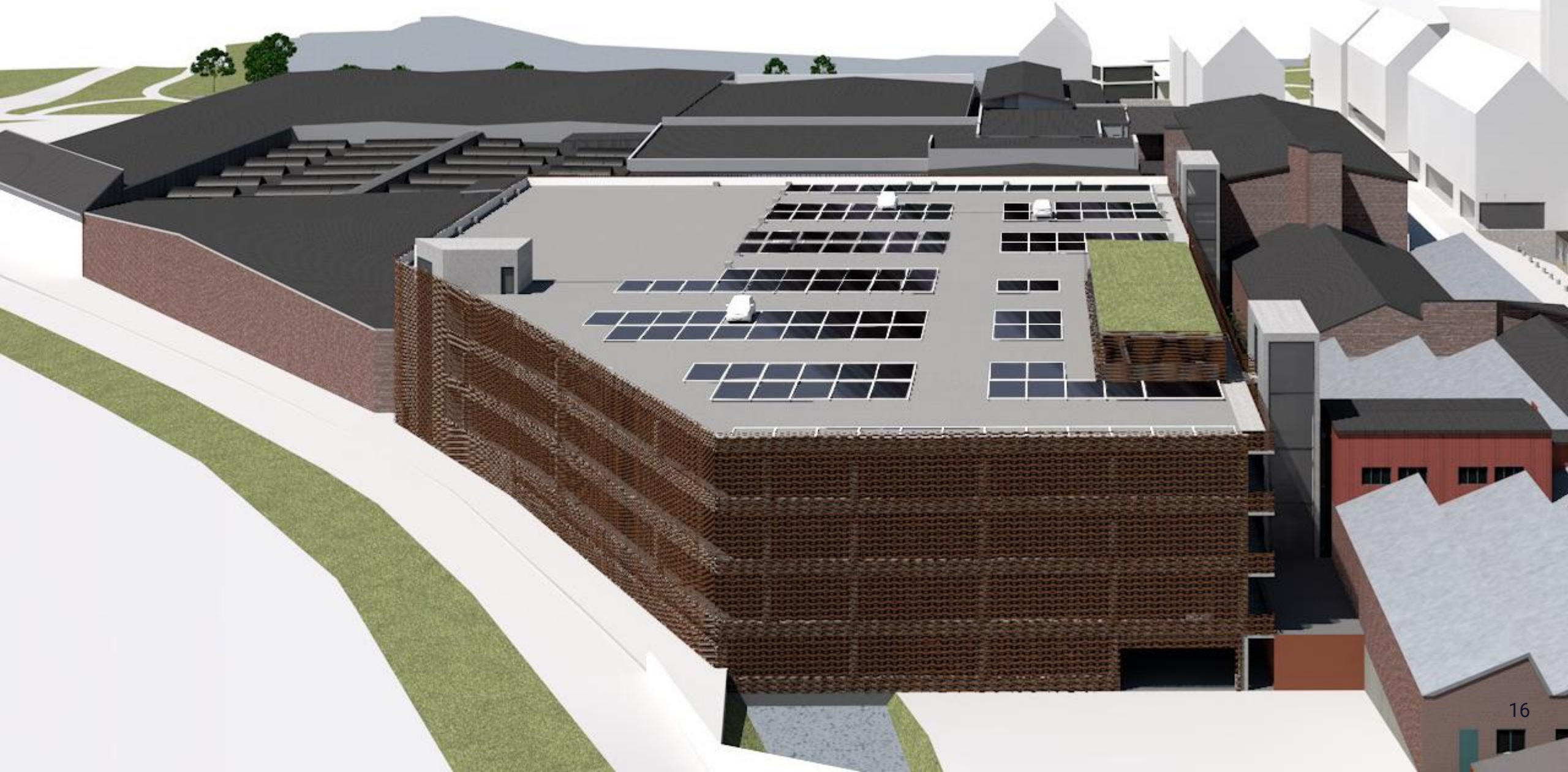
Soltech Facade



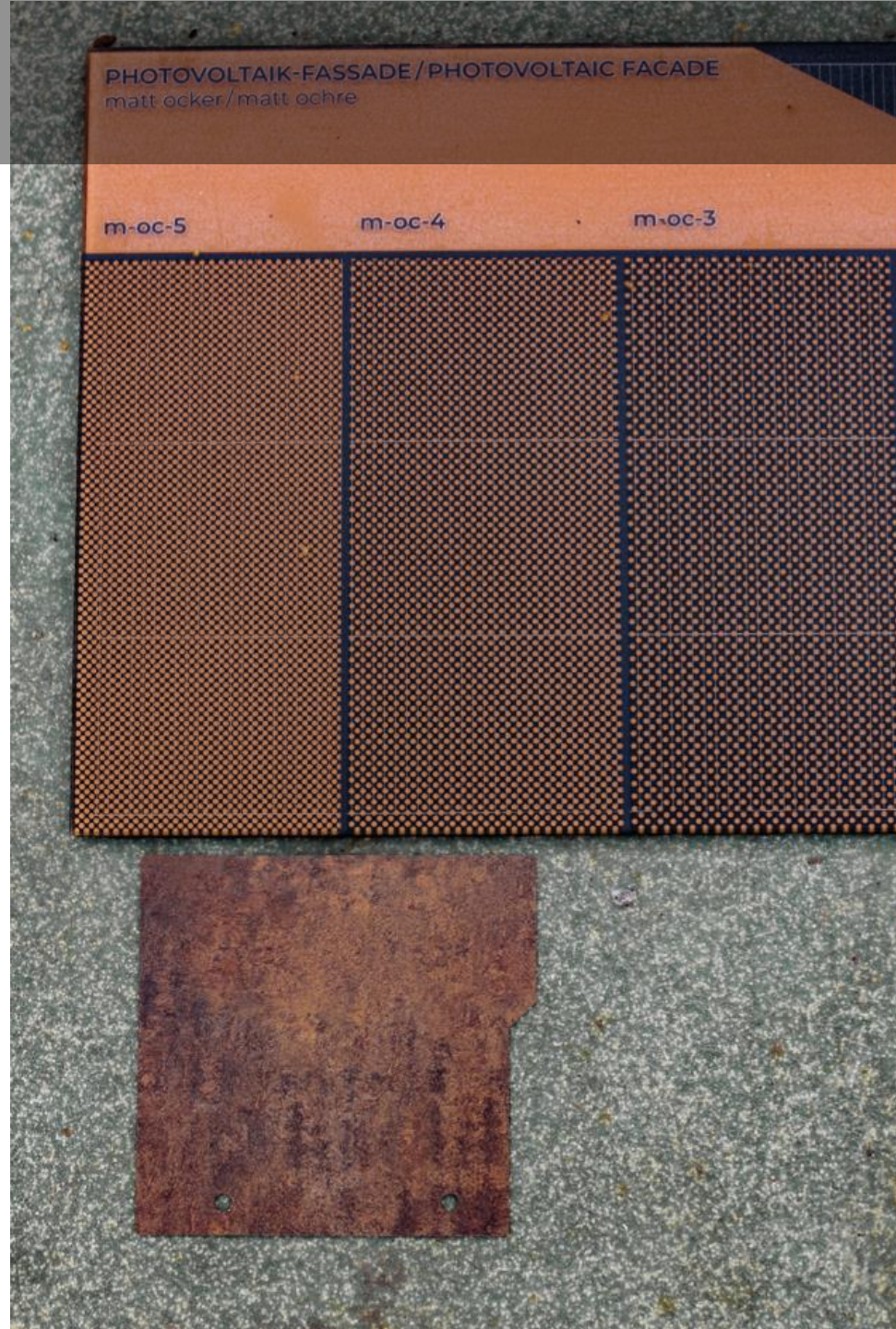
 Soltech



Can this façade become a solar facade?  Soltech

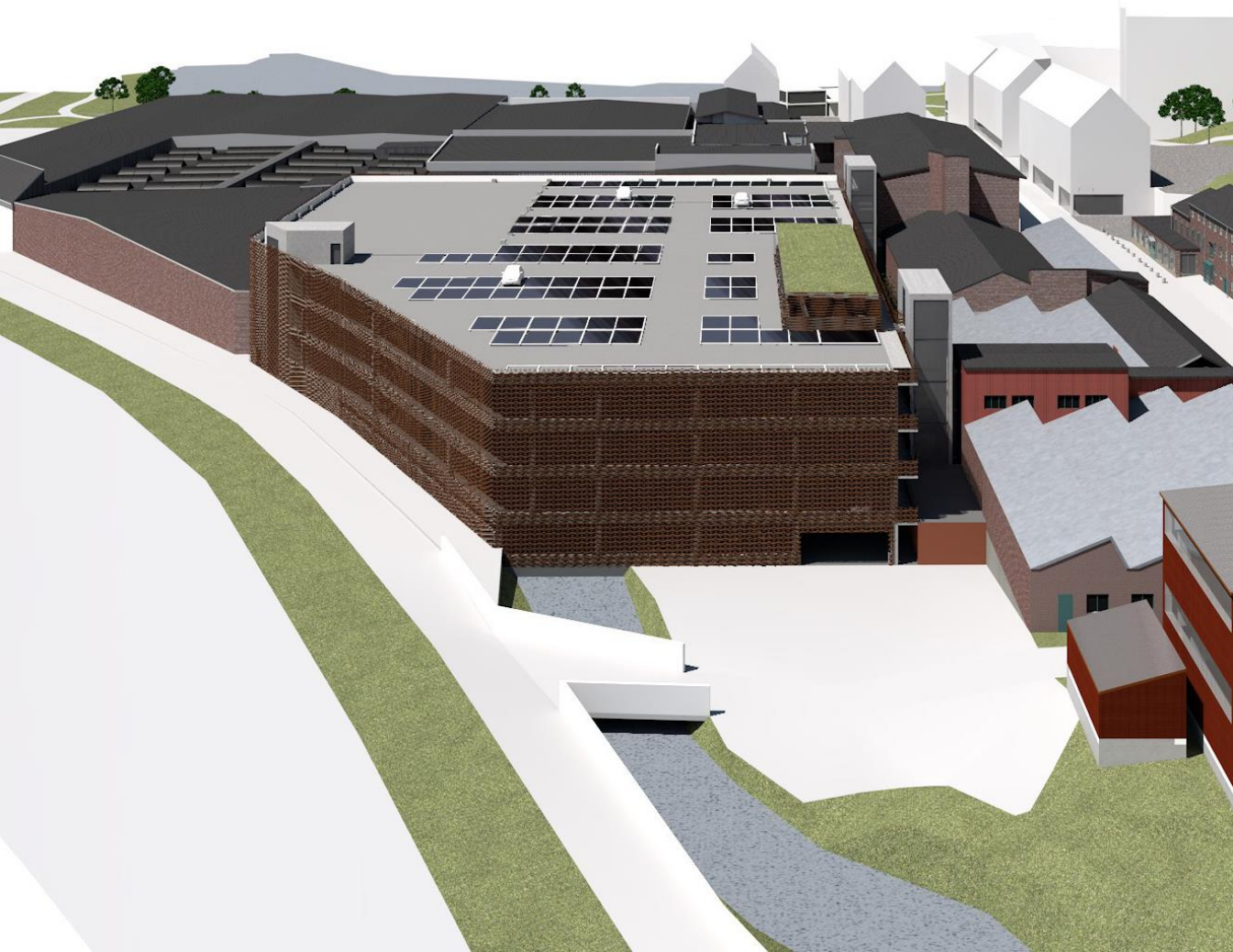


Yes!



Soltech

Before



After



Solar façade semi-transparent



Project BIPV Challenges

Challenges

- Finding the first client project
- Marketing / Knowledge
- Early access into the project
- Sales process / partners / innovation collaborations / business development
- Rules and regulations

Our experiences...

Thank you!

Anna Svensson

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Task 15



 Soltech